

PROJECT NUMBER : 1503
PROJECT TITLE : Modified Smoking Materials
PROJECT LEADER : W. A. Nichols
PERIOD COVERED : December, 1990

SIDSEAM ADHESIVE METERING SYSTEM

- A. **Objective:** Evaluate a sideseam adhesive metering system for use in the Semiworks and as a prototype for Production.
- B. **Results:** A new controller was evaluated with the Intek low pressure drop flowmeter. An algorithm in the controller was designed to compensate for the lag in response time of the flowmeter transducer. Testing indicated some improvement at flowrates above 9cc/min. Based on these results a monitoring system rather than a closed loop control system is preferred for flowrates below 9cc/min. Redesign of the Kaymich glue gun making it a control element would be necessary for automatic control.
- C. **Plans:** The sideseam adhesive system will be installed in Semiworks and evaluated.